

Abstract:

Etiology of Ischemic cerebral infarction in individual that are under 55 years old in Ardabil Alavis' Hospital from 2004 to 2005.

By: Jafariyani M. Hashemilar M. Amini N.

Background: Cerebral infarction is told to acute onset of focal Neurologic symptoms that last more than 24 hour and is due to cerebro vascular accident. According to recent "WHO" reports less than 10% of patients with CVA are under 55 years old.

In done researches reasons that are related to cerebral infarction are include of: HTN- Diabetes Melitus – Chest pain before stroke interminant cludication – recent Myocardial infarction – recent heart embolism – atosclorosis – protombotic states.

The aim of this study is to determine the Etiology and area of erebral infarctions in young adults, related factors such as blood suger – cholesterol – Anti phospholipid Anti bodies and etc.

Method: All admitted patient in Ardabil Alavi hospital that were under 55 years old were intered to this study within 1 year. First we filled a question paper about demographic specialities, family history of HTN – Diabetes Melitus, area of cerebral infarction according to Brain CTscan and MRI and amount of parameters like BS – Cholestrol – TG – Anti cardiolipin Anti bodies. After this the information by SPSS software were analysed.

Results: Among 45 patient there was 32 women and 13 men. The total average age was 42.9. The etiology of cerebral infarctions according to our study were cardiogenic embolism 35% - hematologic factors related to APS 23% - high cholesterol level 22.5% and TG level 2.5% - smoking 22.2% - hypertension 20% - ocp 15.5% and family history of CVA 11.1% and DM 3.3%.

The most involved area in Brain CTscan and MRI were cerebellum – parietal lobe – venous thrombosis that every one was 17% alone.

Conclusion: The cerebral infarcts in this city are very common in women that probably is related to OCP administration specially in woman upper that 35 years old. Another reason is high serologic index of APS is very common in this studie's women. Another finding that venous thrombosis is very usual in this area that most related factor is OCP administration with in one mount before.

Key Words: Etiology – Cerebral infarction – less than 55 years old.